BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : IMPROVEMENTS TO ROADS AND DRAINS AT SURABHI LAYOUT AND CHURCH SURROUNDING AREAS IN WARD NO.01 OF YELAHANKA SUB-DIVISION

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Estimate Cost Rs. 50.00 Lakhs Rate	Amount
1	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)KPWD S.R 2016-17								
	Surabhi Layout	Cum							
	STP Road		2	195.00	0.90	1.05	368.55		
	Cambridge School Road		2	57.00	0.90	1.05	107.73		
	for Culverts		2	9.00	1.80	1.35	43.74		
						Total Qty	**520.02**	222.38	**115640.70**
	Basic Rate	189.00							
	Area Weightage @ 6%	11.34							
	Sub-Total	200.34							
	AD-HOC 11%	22.04							
	Total	**222.38**							
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
		Cum							
						Qty Vide Item No.1	**520.02**	111.00	**57722.00**
	Average Weight of Earth 1.28 Tonne/Km								
	Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00							
	Add loading and unloading Item No 17.1)	68.00							
	Sub-Total	100.00							
	AD-HOC 11%	11.00							
	Total	**111.00**							

No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No.KBS 4.1, 4.2 (P.12/I.4.3)								
	Surabhi Layout	Cum							
	STP Road		2	195.00	0.90	0.15	52.65		
	Cambridge School Road		2	57.00	0.90	0.15	15.39		
	for Culverts		2	9.00	1.80	0.15	4.86		
					Total Qty		**72.90**	5524.14	**402709.59**
	Basic Rate	4695.00							
	Area Weightage @ 6%	281.70							
	Sub-Total	4976.70							
	AD-HOC 11%	547.44							
	Total	**5524.14**							
4	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs with 20mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2 (P No. 13 / Item No.4.7)								
	for culverts	Cum							
	Ramp		4	9.00	0.60	0.10	2.16		
					Total Qty		**2.16**	6214.80	**13423.97**
	Basic Rate	5282.00							
	Area Weightage @ 6%	316.92							
	Sub-Total	5598.92							
	AD-HOC 11%	615.88							
	Total	**6214.80**							
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC cement at 300kgs. with 20mm and down size granite metal coarse aggregates at 0.69cum and fine aggregates at 0.43cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No.1500, 1700, 2200. -do- Wall and bottom thickness 15cm (P.No.265 / It.No.37.59.2)								

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	STP Road								
	bed	Cum							
			2	195.00	0.90	0.15	52.65		
	side wall		2	57.00	0.90	0.15	15.39		
			4	195.00	0.15	0.75	87.75		
			4	57.00	0.15	0.75	25.65		
	culvert bed						181.44		
	wall		2	9.00	1.00	0.15	2.70		
			4	9.00	0.15	0.75	4.05		
							6.75		
					Total Qty		188.19	12246.05	2304584.68
	Basic Rate	10408.00							
	Area Weightage @ 6%	624.48							
	Sub-Total	11032.48							
	AD-HOC 11%	1213.57							
	Total	**12246.05**							
6	KSRB 4.9.2 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3-do-TMT Bars Fe 500 P.17/It No.4.46.2 (rates effects from 01-07-2017)								
		tonne							
		50% of Qty Vide item No.7				in Qtl	90.720		
		60% of Qty Vide item No.7					4.050		
							94.770		
						in tonne	9.477	71310.20	675806.73
	Basic Rate	60607.00							
	Area Weightage @ 6%	3636.42							
	Sub-Total	64243.42							
	AD-HOC 11%	7066.78							
	Total	**71310.20**							

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
Providing and fixing RCC precast Slabs of 0.10 m thick of CC 1:2:4 with 20 mm and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
STP Road	Sqm							
		2	195.00	0.75		292.50		
		2	57.00	0.75		85.50		790650
					Total Qty	378.00	2100.00	793800.00
Data Rate	2100.00					386-50 8		
Providing and fixing RCC precast Slabs of 0.20 m thick of CC 1:2:4 with 20 mm and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
for Culvert	Sqm							
		2	9.00	1.80		32.40		
					Total Qty	32.40	4402.79	142650.40
Data Rate	4402.79							
						Sub-Total Amount	4503189	4503348.00
3% for KRIDL Charges							135095	135100.00
1% for Labour Cess							45031	45033.00
7% for Applicable GST Charges							315223	315234.00
Miscellaneous and unforeseen charges	LS						1462	1285.00
						Grand Total Amount		5000000.00

(Rupees Fifty Lakhs Only)

RTIFICATE

The site has been inspected and the work is found to be necessary
The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle
The provisions were made in this estimate are necessary and adequate
The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.
This work is not repeated in any other programs or Grants

Assistant Engineer
Ward No.01
Kempegowda Ward

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

ADMINISTRATIVELY SANCTIONED FOR Rs 50.00 lacs

Rupees fifty lacks only

Executive Engineer
Yelahanka Division
B.B.M.P

Under 70b 190-001-18-000024

Technical Sanction
Accorded For .....
Head of A/C 2178-2017-18
SER NO 1648 Dt. 16-2-18

Registered as EE ( ) No 3.....9....

Subject to conditions contained in enclosed memo EE ( ) No ...../91...

Dt ..... Estimate A/Sanctioned

J.C/4/ PA-18/68/17-18

Dated 16-8-2018 Rs 50.00 lacs

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

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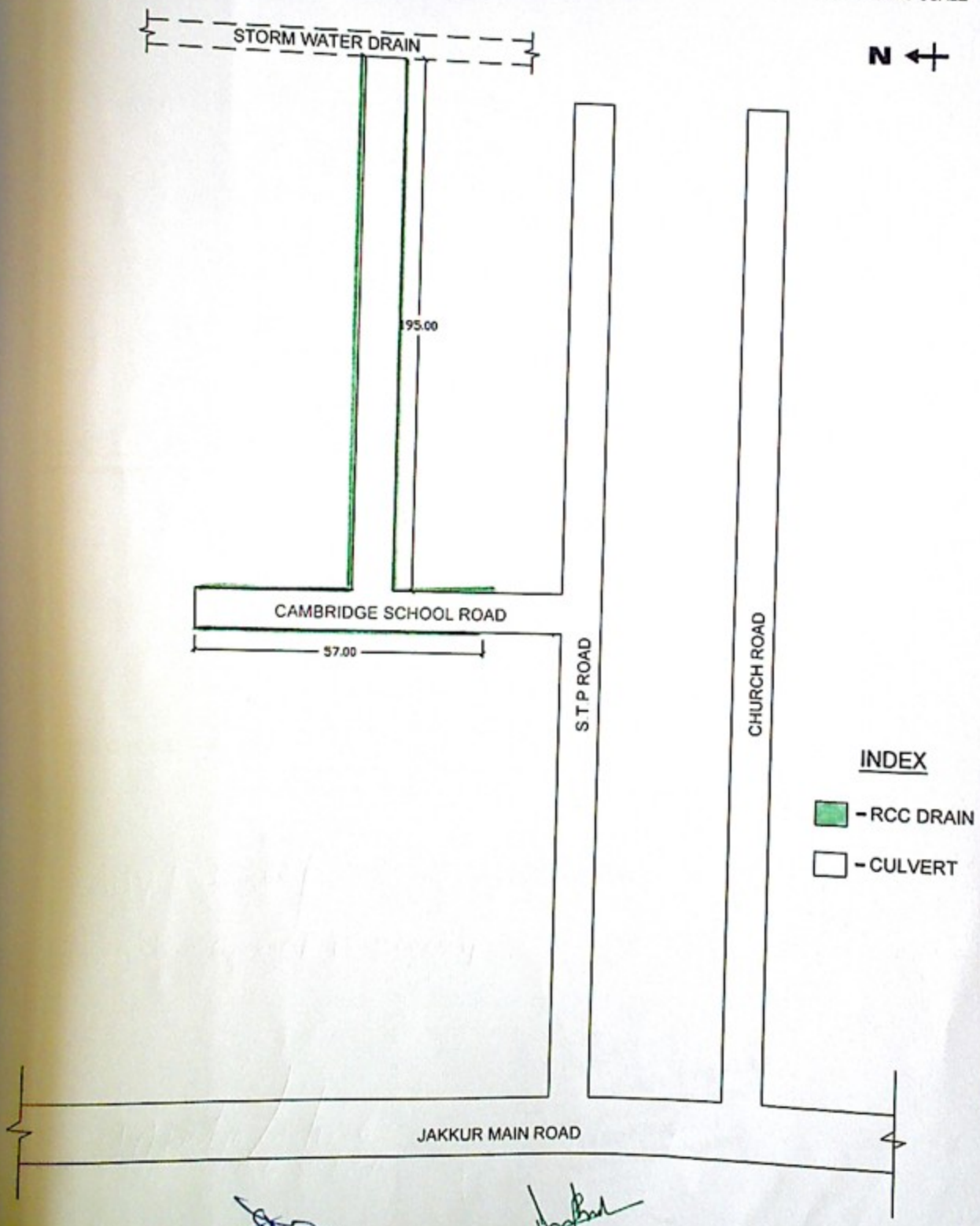
KEY : NOT TO SCALE



Assistant Engineer
Ward No.01
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
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